Listing of Claims

1. (Currently amended) A method for adapting a transmission parameter in a transmitting node of a data communication system to the current link quality of a data communication channel the adapted transmission parameter being selected by the transmitting node from a set of transmission parameters in dependence on a number of successful transmissions, the number of successful transmissions being compared in the transmitting node against one of a first value corresponding to a first state of the transmitting node and a second value corresponding to a second state of the transmitting node, the method comprising in the transmitting node the steps of:

counting the number of successful transmissions;

selecting the adapted transmission parameter

in response to the number of successful transmissions equaling or exceeding the first value when the transmitting node is in the first state and

in response to the number of successful transmissions equaling or exceeding the second value when the transmitting node is in the second state; and

in dependence of the success or failure of a subsequent transmission, operating the transmitting node in one of the first state and the second state,

wherein the step of operating the transmitting node in the second state further comprises in the event of a faulty transmission transitioning to the first state, and further comprising:

setting the first value to 3 and the second value to 10;

counting a number of faulty transmissions and selecting the adapted transmission parameter in dependence of a threshold of the number of faulty transmissions;

setting the threshold or the number of faulty transmissions to 1; and

selecting the transmission parameter used by a responding receiver;

wherein the step of selecting the adapted transmission parameter further comprises selecting a different data rate, and

wherein the step of selecting the adapted transmission parameter further comprises selecting a packet length different to the length used before.

2. - 20. (Canceled)